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RADIATION AND RADIOACTIVITY

Accident at the Three Mile Island Nuclear Power Plant, Oversight Hearings Before the Subcommittee on Energy and the Environment of the Committee on Interior and Insular Affairs, On the Accident at the Three Mile Island Nuclear Power Plant, Middletown, Pennsylvania, House, 96th Congress, 1st Session, Part 1, May 9, 10, 11, and 15, 1979. 1979. 267 p.
Y 4.In 8/14:96-8/pt.1 S/N 052-070-05022-5 $ 6.00

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N 538, Classification of Industrial Ionizing Radiation Gauging Devices. 1979. 32 p. C 13.11:129 S/N 003-003-02135-1 1.75

N 540, Classification of Radioactive Self-Luminous Light Sources. 1976. 15 p. C 13.11:116 S/N 003-003-01456-7 1.10

N 543, General Safety Standard for Installations Using Non-Medical X-Ray and Sealed Gamma-Ray Sources, Energies Up to 10 MeV. Rev. 1975. 60 p. il. C 13.11:114 S/N 003-003-01377-3 3.00

N 43.2, Radiation Safety for X-Ray Diffraction and Fluorescence Analysis Equipment. Rev. 1978. 19 p.
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N 43.1, Radiological Safety in the Design and Operation of Particle Accelerators. Rev. 1979. 16 p.
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C 13.11:126 S/N 003-003-01903-8 1.20

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Volume 1. 1976, published 1977. 494 p. il.
HE 20.4102:B 52/3/v.1 S/N 017-015-00124-5 6.50

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Summary. 1979. 28 p.
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C 55.13:ERL 310-SEL 31 S/N 003-017-00285-3 1.10

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Conference on Occupational Health Experience With Uranium. 1975. 476 p. ER 1.11:ERDA-93 S/N 052-010-00466-2 5.20

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Course Manual for: *The following manuals are for instructors of courses on x-ray science. Taken together, they represent a full academic year of study. Each manual contains lecture outlines and laboratory exercises. The courses are designed for students who have not had any x-ray experience but have had at least one year of work in college-level physics and mathematics.*

Machine Sources of X-Rays (GS-461). Rev. 1977. 243 p. il.
HE 20.4108:X 1/3/977 S/N 017-015-00131-8 4.00

X-Ray Applications (GS-463). Rev. 1977. 148 p. il.
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X-Ray Measurements (GS-462). Rev. 1977. 198 p. il.
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Volume 1, Optical Radiation. 1977. 90 p. il.
HE 20.7111/2:C 11/v.1 S/N 017-033-00280-1 2.75

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Volume 3, Ionizing Radiation. 1978. 56 p. il.
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Determination of Ocular Threshold Levels for Infrared Radiation Cataractogenesis. 1980. 55 p. il.
HE 20.7111:Oc 8 S/N 017-033-00361-1 3.50

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Effects of Nuclear Weapons. *A comprehensive and somewhat technical analysis of the effects of a nuclear blast on exposed persons and surrounding terrain, buildings, vehicles, bridges, utility poles, water mains, manufacturing equipment, cloth and other objects at varying distances. Data is drawn from the experiences of Hiroshima and Nagasaki, as well as from a variety of test blasts.* Rev. 1977. 653 p. il. Dial in pocket. Clothbound. D 1.2:N 88/2 S/N 008-046-00093-0 7.00

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D 7.6/7:4215.50/5 S/N 008-007-03001-9 1.70

Interagency Task Force on the Health Effects of Ionizing Radiation. *The Task Force is comprised of the Departments of Defense, Energy, and Labor, the Veterans Administration, the Nuclear Regulatory Commission, the Environmental Protection Agency and the Department of Health and Human Services.*

Summary. *Final report reviews the Work Group Reports of the agencies' staffs and contains recommendations for a coordinated program concerning the health effects of radiation exposure on participants in nuclear tests, workers in nuclear related activities, and the general public.* 1979. 113 p. il.
HE 1.2:Io 6 S/N 017-000-00219-8 4.00

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Appendix A, Report of the Work Group on Science. *This report, which describes the health effects associated with radiation exposure, includes an inventory of federally supported radiation research, with particular emphasis on human studies, and recommends areas for future research. Also known as Science Work Group Report (on the health effects of ionizing radiation).* 1979. 132 p. il.
HE 1.2:Io 6/app.A S/N 017-000-00220-1 $ 4.50

Appendix B, Report of the Work Group on Records and Privacy. *This report recommends administrative and legislative changes to permit easier access by health researchers to records while, at the same time, protecting privacy. Also known as the Privacy Work Group Report (on the health effects of ionizing radiation).* 1979. 74 p.
HE 1.2:Io 6/app.B S/N 017-000-00221-0 3.50

Appendix C, Report of the Work Group on Exposure Reduction. *Reviews present efforts to reduce exposure to radiation and recommends a range of additional measures for consideration. Also known as the Exposure Reduction Work Group Report (on the health effects of ionizing radiation).* 1979. 157 p. il. HE 1.2:Io 6/app.C S/N 017-000-00222-8 4.75

Appendix D, Report of the Work Group on Care and Benefits. *Examines existing systems for providing care and benefits to persons who may have been injured by radiation exposure and recommends additional guidelines for handling radiation related claims. Also known as Care and Benefits Work Group Report (on the health effects of ionizing radiation).* 1979. 75 p. HE 1.2 Io 6/app.D S/N 017-000-00223-6 3.50

Appendix E, Report on the Work Group on Public Information. *Outlines public information programs for the general population and particular groups exposed to radiation. Contents of publiction: Medical and dental exposure; Occupational exposure; Atmospheric nuclear test exposure; and General public. Also known as Public Information Work Group Report (on the health effects of ionizing radiation).* 1979. 47 p.
HE 1.2:Io 6/app.E S/N 017-000-00224-4 3.25

Appendix F, Report on Institutional Arrangements. *Describes current institutional arrangements among Federal agencies concerned with the use, study, and control of ionizing radiation and recommends changes to improve coordination, effectiveness, and responsiveness among them. Also known as Task Force Report on Institutional Arrangements (on the health effects of ionizing radiation).* 1979. 41 p.
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Appendix G, Public Comments on the Work Group Reports. 1979. 1132 p. il. HE 1.2:Io 6/app.G S/N 017-000-00226-1 14.00

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I 19.15/5:bk.5/chap.A 5 S/N 024-001-02928-6 5.75

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1976. 8th Annual National Conference on Radiation Control: Radiation Benefits and Risks, Facts, Issues, and Options, May 2-7, 1976, Springfield, Illinois. 1977. 428 p. il.
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Nationwide Survey of Cobalt-60 Teletherapy Dosimetry. *Cobalt-60 gamma ray teletherapy sources are widely used for cancer therapy. The accuracy with which prescribed doses are delivered to a tumor has been shown to be crucial to treatment success. This booklet reports the methodology and findings of a survey of the accuracy of Cobalt-60 equipment.* 1978. 36 p. il. C 13.46:978 S/N 003-003-01968-2 1.70

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Describing Spectrophotometric Measurements. 1974. 50 p.
C 13.46:594-9 S/N 003-003-01342-1 1.10

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Y 3.N 88:2 P 81 S/N 017-001-00408-1 3.75

Positive Beam Limitation Effectiveness Evaluation. *Positive Beam Limitation (PBL) is intended to increase patient protection from unnecessary radiation by preventing the use of x-ray beams that exceed the size of the image receptor and by reducing the number of repeat exposures resulting from the inadvertent use of a beam size far smaller than intended.* 1980. 26 p. HE 20.4102:B 37 S/N 017-015-00163-6 $ 2.00

Procedures for Field Testing Microwave Ovens. *Gives procedures for testing ovens for compliance with the microwave emission and safety interlock operation requirements of the Federal radiation safety performance standard. The manual is useful for Food and Drug Administration, State and local testing personnel.* 1977. 35 p. il. HE 20.4108:M 58 S/N 017-015-00138-5 1.60

Quality Assurance Programs for Diagnostic Radiology Facilities. *This publication defines quality assurance as those actions that provide adequate confidence that a diagnostic x-ray facility will produce consistently high quality images with minimum radiation exposure to patients and medical personnel.* 1980. 39 p. il. HE 20.4123:D 62 S/N 017-015-00166-1 2.50

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First Image Receptor Conference, Film/Screen Combinations, Proceedings of a Conference Held in Arlington, Virginia, November 1975. 1976. 176 p. il. HE 20.4102:Im 1 S/N 017-015-00115-6 2.50

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Radiological Health Handbook. *A basic reference tool in the field of radiological health, this handbook includes physical, chemical, and mathematical data, radioisotope, decay, and radio-assay data, radiation protection, and a table of isotopes.* Rev. 1970, reprinted 1979. 458 p. il. HE 20.1108:R 11/970 S/N 017-011-00043-0 8.00

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Report on a Proposal to Establish a Tri-State Commission to Study the Possible Health Effects of Radiation From Nuclear Weapons Testing. *Deals with a proposal from the Governors of Utah, Arizona, and Nevada requesting Federal funds to create a Tri-State Commission on the health effects of atomic testing fallout. During the 1950's and early 1960's above ground atomic bomb tests were conducted in Nevada.* 1979. 35 p.
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Research Into the Biological Effects of Ionizing Radiation in the Bureau of Radiological Health. *Includes a tabular summary of current and previous experimental and epidemiological studies related to medical, occupatonal, and nuclear fallout exposures; abstracts of current and previous studies; a preliminary plan for continued research; and budget summaries.* 1980. 57 p.
HE 20.4102:Io 6/4 S/N 017-015-00172-5 4.00

Review of the Use of Ionizing Radiation for the Treatment of Benign Diseases, Volume 1. 1977. 53 p. il.
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